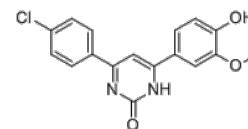


Product Name : LIT-927
Cat. No. : PC-35600
CAS No. : 2172879-52-4
Molecular Formula : C₁₇H₁₃ClN₂O₃
Molecular Weight : 328.752
Target : Chemokine Receptor (CCR and CXCR)
Solubility :



Biological Activity

LIT-927 (LIT927) is the first selective, locally and orally active **CXCL12 neutraligand** with K_i of 267 nM for CXCL12-TR binding inhibition; displays excellent selectivity over other chemokines (CCL17, CCL22, CCL5 and CCL2), inhibits the increase in intracellular calcium concentration in EGFP-CXCR4+HEK cells in response to CXCL12 at 10 uM, has no effect on calcium responses triggered by either CCL17 or CCL22 on EGFP-CCR4+HEK cells, CCL5 on EGFP-CCR5+ HEK cells, or by CCL2 on EGFP-CCR2+HEK cells; reduces eosinophil recruitment in murine model of allergic airway hypereosinophilia.

References

Regenass P, et al. *J Med Chem.* 2018 Aug 28. doi: 10.1021/acs.jmedchem.8b00657.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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